

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/550,152  
Source: IFWP  
Date Processed by STIC: 04/10/2007

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/550,152

DATE: 04/10/2007

TIME: 12:11:34

Input Set : A:\64197143.APP

Output Set: N:\CRF4\04102007\J550152.raw

```

3 <110> APPLICANT: ELMEN, JOACIM
4   WAHLESTEDT, CLAES
5   LIANG, ZICAI
6   SORENSEN, ANDERS
7   ORUM, HENRIK
8   KOCH, TROELS
10 <120> TITLE OF INVENTION: SHORT INTERFERING RNA (SIRNA) ANALOGUES
12 <130> FILE REFERENCE: 64190(71432)
14 <140> CURRENT APPLICATION NUMBER: 10/550,152
15 <141> CURRENT FILING DATE: 2005-09-20
17 <150> PRIOR APPLICATION NUMBER: PCT/DK04/000192
18 <151> PRIOR FILING DATE: 2004-03-22
20 <150> PRIOR APPLICATION NUMBER: DK PA 2003 00442
21 <151> PRIOR FILING DATE: 2003-03-21
23 <150> PRIOR APPLICATION NUMBER: 60/456,888
24 <151> PRIOR FILING DATE: 2003-03-21
26 <150> PRIOR APPLICATION NUMBER: DK PA 2003 01625
27 <151> PRIOR FILING DATE: 2003-10-31
29 <150> PRIOR APPLICATION NUMBER: DK PA 2004 00145
30 <151> PRIOR FILING DATE: 2004-01-30
32 <160> NUMBER OF SEQ ID NOS: 62
34 <170> SOFTWARE: PatentIn Ver. 3.3
36 <210> SEQ ID NO: 1
37 <211> LENGTH: 21
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
43   Synthetic oligonucleotide
45 <220> FEATURE:
46 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
47   oligonucleotide
49 <220> FEATURE:
50 <221> NAME/KEY: modified_base
51 <222> LOCATION: (20)..(21)
52 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
54 <400> SEQUENCE: 1
55 cuuacgcuga guacuucgat t
58 <210> SEQ ID NO: 2
59 <211> LENGTH: 21
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:

```

21

## RAW SEQUENCE LISTING

DATE: 04/10/2007

PATENT APPLICATION: US/10/550,152

TIME: 12:11:34

Input Set : A:\64197143.APP

Output Set: N:\CRF4\04102007\J550152.raw

```

64 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
65     Synthetic oligonucleotide
67 <220> FEATURE:
68 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
69     oligonucleotide
71 <220> FEATURE:
72 <221> NAME/KEY: modified_base
73 <222> LOCATION: (1)
74 <223> OTHER INFORMATION: 5-methylcytosine/Beta-D-oxy LNA monomer
76 <220> FEATURE:
77 <221> NAME/KEY: modified_base
78 <222> LOCATION: (20)..(21)
79 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
81 <400> SEQUENCE: 2                                21
82 cuuacgcuga guacuucgat t
85 <210> SEQ ID NO: 3
86 <211> LENGTH: 21
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
92     Synthetic oligonucleotide
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
96     oligonucleotide
98 <220> FEATURE:
99 <221> NAME/KEY: modified_base
100 <222> LOCATION: (20)..(21)
101 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
103 <400> SEQUENCE: 3                                21
104 ucgaaguacu cagcguaagt t
107 <210> SEQ ID NO: 4
108 <211> LENGTH: 21
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
114     Synthetic oligonucleotide
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
118     oligonucleotide
120 <220> FEATURE:
121 <221> NAME/KEY: modified_base
122 <222> LOCATION: (1)
123 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
125 <220> FEATURE:
126 <221> NAME/KEY: modified_base
127 <222> LOCATION: (20)..(21)
128 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer

```

## RAW SEQUENCE LISTING

DATE: 04/10/2007

PATENT APPLICATION: US/10/550,152

TIME: 12:11:34

Input Set : A:\64197143.APP

Output Set: N:\CRF4\04102007\J550152.raw

```

130 <400> SEQUENCE: 4
131 tcgaaguacu cagcguaagt t 21
134 <210> SEQ ID NO: 5
135 <211> LENGTH: 21
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
141     Synthetic oligonucleotide
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
145     oligonucleotide
147 <220> FEATURE:
148 <221> NAME/KEY: modified_base
149 <222> LOCATION: (1)
150 <223> OTHER INFORMATION: phosphate-t/Beta-D-oxy LNA monomer
152 <220> FEATURE:
153 <221> NAME/KEY: modified_base
154 <222> LOCATION: (20)..(21)
155 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
157 <400> SEQUENCE: 5
158 tcgaaguacu cagcguaagt t 21
161 <210> SEQ ID NO: 6
162 <211> LENGTH: 19
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
168     oligonucleotide
170 <220> FEATURE:
171 <221> NAME/KEY: modified_base
172 <222> LOCATION: (1)
173 <223> OTHER INFORMATION: 5-methylcytosine/Beta-D-oxy LNA monomer
175 <220> FEATURE:
176 <221> NAME/KEY: modified_base
177 <222> LOCATION: (2)..(3)
178 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
180 <220> FEATURE:
181 <221> NAME/KEY: modified_base
182 <222> LOCATION: (7)
183 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
185 <220> FEATURE:
186 <221> NAME/KEY: modified_base
187 <222> LOCATION: (10)
188 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
190 <220> FEATURE:
191 <221> NAME/KEY: modified_base
192 <222> LOCATION: (13)..(14)
193 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer

```

## RAW SEQUENCE LISTING

DATE: 04/10/2007

PATENT APPLICATION: US/10/550,152

TIME: 12:11:34

Input Set : A:\64197143.APP

Output Set: N:\CRF4\04102007\J550152.raw

```

195 <220> FEATURE:
196 <221> NAME/KEY: modified_base
197 <222> LOCATION: (18)..(19)
198 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
200 <400> SEQUENCE: 6
201 cttcgctagt acttcgatt
204 <210> SEQ ID NO: 7
205 <211> LENGTH: 21
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
211     oligonucleotide
213 <220> FEATURE:
214 <221> NAME/KEY: modified_base
215 <222> LOCATION: (1)
216 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
218 <220> FEATURE:
219 <221> NAME/KEY: modified_base
220 <222> LOCATION: (7)
221 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
223 <220> FEATURE:
224 <221> NAME/KEY: modified_base
225 <222> LOCATION: (10)
226 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
228 <220> FEATURE:
229 <221> NAME/KEY: modified_base
230 <222> LOCATION: (16)
231 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
233 <220> FEATURE:
234 <221> NAME/KEY: modified_base
235 <222> LOCATION: (20)..(21)
236 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
238 <400> SEQUENCE: 7
239 tcgaagtact cagcgtaagt t
242 <210> SEQ ID NO: 8
243 <211> LENGTH: 21
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
249     oligonucleotide
251 <220> FEATURE:
252 <221> NAME/KEY: modified_base
253 <222> LOCATION: (1)
254 <223> OTHER INFORMATION: phosphate-t/Beta-D-oxy LNA monomer
256 <220> FEATURE:
257 <221> NAME/KEY: modified_base
258 <222> LOCATION: (7)

```

19

21

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/550,152

DATE: 04/10/2007

TIME: 12:11:34

Input Set : A:\64197143.APP

Output Set: N:\CRF4\04102007\J550152.raw

```

259 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
261 <220> FEATURE:
262 <221> NAME/KEY: modified_base
263 <222> LOCATION: (10)
264 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
266 <220> FEATURE:
267 <221> NAME/KEY: modified_base
268 <222> LOCATION: (16)
269 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
271 <220> FEATURE:
272 <221> NAME/KEY: modified_base
273 <222> LOCATION: (20)..(21)
274 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
276 <400> SEQUENCE: 8
277 tcgaagtact cagcgtaagt t 21
280 <210> SEQ ID NO: 9
281 <211> LENGTH: 21
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
287     Synthetic oligonucleotide
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
291     oligonucleotide
293 <220> FEATURE:
294 <221> NAME/KEY: modified_base
295 <222> LOCATION: (20)..(21)
296 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
298 <400> SEQUENCE: 9
299 uuuuucuccu ucuucagaut t 21
302 <210> SEQ ID NO: 10
303 <211> LENGTH: 21
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
309     Synthetic oligonucleotide
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
313     oligonucleotide
315 <220> FEATURE:
316 <221> NAME/KEY: modified_base
317 <222> LOCATION: (20)..(21)
318 <223> OTHER INFORMATION: Beta-D-oxy LNA monomer
320 <400> SEQUENCE: 10
321 aucugaagaa ggagaaaaat t 21
324 <210> SEQ ID NO: 11
325 <211> LENGTH: 21

```

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/550,152

DATE: 04/10/2007

TIME: 12:11:35

Input Set : A:\64197143.APP

Output Set: N:\CRF4\04102007\J550152.raw